PATENT APPLICATION

	IN AND POW	ER OF ATTO	orney Ms Do	OCKET NO. 305312.01
MSFT-2735			Mauc	CREI NO. 303312.01
r, I hereby declare that:				
ddress and citizenship are	as stated belo	w next to n	ny name;	est and joint inventor (if
first and sole inventor (if	only one nam	e is listed t	below) or an original, in	.st and joint inventor (ii
slow) of the subject matter	r which is cla	iimed and :	for which a patent is s	ondut ou me miseumon
NETHODS FOR DATA MC	DELINGIN	AN ITEM-I	BASED STUKAGE FLA	ITORM
s filed herewith unless the	following box	is checked	: 15:4 :	
as US Appl	ication Serial	No. of PCI	internacional Applicati	on
oviewed and understood th	he contents of	the above-	identinea specification,	Including the claims, as
ient(s) referred to above. I	I acknowledg	e the duty	to disclose all informac	ON WILLIAM SI MOREITAL II
37 CFR 1.56.				
laim of Foreign Priority			No. 12 and a few seasons	
mefits under Title 35, United Stat	es Code Section	119 of any tore	eign application(s) for patent o	or inventor(s) certificate used
pelow any toteign application to	or patent or mive	HOL(2) CELITI	cate navnik a timik anir son	We mut or air abhummann an
- PRI ICATIONI NII IMPED	DATEE	ת בח	PRIORITY CLAIMED	UNDER 35 U.S.C. 119
APPLICATION NUMBER	DATE	LEV		NO:
	 			
	L		YED:	NO:
Tisle 25 Illuited States Code Socti	~ 119(c) of any '	(Inited States	nmulsional application(s) liste	ed helow:
Hills 32' ministry applies come secon	on its (c) or any	Jillico Julico j	P104BMan apparation (-)	
APPLICATION SERIAL	NUMBER	FILT	NG DATE	
10101011011				
L				
Title 25 United States Code Sec	Hon 120 of any T	Inited States a	innlication(s) listed below and	1. inenfar as the subject matte
dication is not disclosed in the p	prior United State	es application	in the manner provided by !	the first paragraph of Title 3:
I acknowledge the duty to disclos	se material infort	nation as defii	ned in Title 37, Code of Feder	al Regulations, Section 1.56(2
g date of the prior application an	d the national or	PCT internati	ional filing date or this app lic	apou:
there EII INC	DATE	T	STATUS(patented/pendin	
JWRFK LITTING	DAIR	1	21 AT 02(batchica) betians	~/~P~Pdonadl
				g/abandoned)
				g/abandoned)
				g/abandoned)
	DECLARATION MSFT-2735 To the prior and states and citizenship are first and sole inventor (if a low) of the subject matter of the subject of the	MSFT-2735 To thereby declare that: ddress and citizenship are as stated belo first and sole inventor (if only one nam low) of the subject matter which is cladeTHODS FOR DATA MODELING IN Stiled herewith unless the following box as US Application Serial and was amended on eviewed and understood the contents of ent(s) referred to above. I acknowledge 37 CFR 1.56. The aim of Foreign Priority mefits under Title 35, United States Code Section 19 below any foreign application for patent or invented and understood the contents of the sunder Title 35, United States Code Section 119(e) of any United 35, United States Code Section 119(e) of any United 35, United States Code Section 120 of any United 35, United States Code Section 120 of any United 35, United States Code, Section 120 of any United States Code Section 120 of any	MSFT-2735 To thereby declare that: ddress and citizenship are as stated below next to make its first and sole inventor (if only one name is listed below) of the subject matter which is claimed and METHODS FOR DATA MODELING IN AN ITEM- soled herewith unless the following box is checked as US Application Serial No. or PCT and was amended on eviewed and understood the contents of the abovement(s) referred to above. I acknowledge the duty 37 CFR 1.56. aim of Foreign Priority mefits under Title 35, United States Code Section 119 of any for below any foreign application for patent or inventor(s) certification and the series of the prior united States application is not disclosed in the prior United States application acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty to disclose material information as defined acknowledge the duty	DECLARATION AND POWER OF ATTORNEY MS PT-2735 MS DC T, I hereby declare that: ddress and citizenship are as stated below next to my name; first and sole inventor (if only one name is listed below) or an original, fir low) of the subject matter which is claimed and for which a patent is s METHODS FOR DATA MODELING IN AN ITEM-BASED STORAGE PLAT filed herewith unless the following box is checked: as US Application Serial No. or PCT Internationa! Application and was amended on (if applicable). eviewed and understood the contents of the above-identified specification, ent(s) referred to above. I acknowledge the duty to disclose all informate 37 CFR 1.56. aim of Foreign Priority melits under Title 35, United States Code Section 119 of any foreign application(s) for patent or below any foreign application for patent or inventor(s) certificate having a filing date before APPLICATION NUMBER DATE FILED PRIORITY CLAIMED YES: Title 35, United States Code Section 119(c) of any United States provisional application(s) listed APPLICATION SERIAL NUMBER FILING DATE Title 35, United States Code, Section 120 of any United States application in the manner provided by the acknowledge the duty to disclose material information as defined in Title 37, Code of Feder g date of the prior application and the national or PCT international filing date of this app lice

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below and those associated with Customer No.:



23377

PATENT TRADEMARK OFFICE

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Steven J. Rocci	Richard W. Knight	David Bartley Eppenauer	Martin L. Shively
Reg. No. 30489	Reg. No. 42,751	Reg. No. 35499	Reg. No. 33553
Ronald O. Zink	Patricia E. Bornes	Michael W. Bocianowski	Danielle J. Holmes
Reg. No. 35744	Reg. No. 37038	Reg. No. 28692	Reg. No. 39720

Send Correspondence to:

Direct Telephone Calls To:

Contact Name RICHARD W. KNIGHT
Firm Name WOODCOCK WASHBURN LLP
Firm Address ONE LIBERTY PLACE, 46TH FLOOR
City, State and Zip PHILADELPHIA, PA 19103

Contact Name RICHARD W. KNIGHT Contact Phone Number 206.332.1394

DECLARATION AND POWER OF ATTORNEY	
ATTORNEY DOCKET NO. MSFT-2735	M

MS DOCKET NO. 305312.01

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor	C. Ouentin J. Clark		The state of the s
Residence:	Bellevue, Washington		
Post Office Address:	1745. CF 4 Place	_ DUL-3	
	bellevue, Washin, Jon 98006	ZI AUGO	
	Inventor's Signature		Date
Full Name of Inventor	r. <u>Anil K. Nori</u>		Citizenship: <u>United States of America</u>
Residence:	Redmond, Washington		
Post Office Address:	74210204 th Drive NE		
	Redmond, Washington 98053		
Norifo	Inventor's Signature		8/19/03
	Inventor's Signature		Date
Full Name of Inventor	: Sameet Agarwal		Citizenship: <u>India</u>
Residence:	Redmond, Washington		
Post Office Address:	8127 149th Place NE, #C-214		
	Redmond, Washington 98052		
31	aarwa		8/19/02
7/9	Inventor's Signature		Date

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFT-2735

MS DOCKET NO. 305312.01

Full Name of Inventor	r: _J. Patrick Thompson	Citizenship: United States of America
Residence:	Seattle, Washington	_
Post Office Address:	6020 Sycamore Avenue NW	_
	Seatt;e, Washington 98107	_
5.1	Inventor's Signature	19 Aug 2003
	inventor's Signature	Date
Full Name of Inventor	r: Pedro Celis	Citizenship: United States of America
Residence:	Redmond, Washington	_
Post Office Address:	20347 NE 61 st Court	<u>-</u>
	Redmond, Washington 98053	_
	25%	8//9/03
	inventor's Signature	Date
Full Name of Inventor	r: _David G. Campbell	Citizenship: United States of America
Residence:	Sammamish, Washington	_
Post Office Address:	22414 NE 30th Court	-
	Sammamish, Washington 98074	_
	Inventor's Signature	Date
Full Name of Inventor		Citizenship: United States of America
Residence:	Bellevue, Washington	_
Post Office Address:	13695 NE 32nd Place	-
e marin e	Bellevue, Washington 38000	-

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. M8FT-2735

MS DOCKET NO. 305312.01

Residence: Seamle, Washington Post Office Address: 6020 Sycamore Avenue NW Scattre, Washington 98107 Inventor's Signature Full Name of Inventor: Pedro Calis Realdence: Redmond, Washington Post Office Address: 20347 NS 61* Court Redmond, Washington 98053	Date Citizenship: United States of America
Post Office Address: 6020 Sycamore Avenue NW Scattre, Washington 98107 Inventor's Signature Full Name of Inventor: Pedro Calis Residence: Redmond, Washington Post Office Address: 20347 NS 614 Court	1
Inventor's Signature Full Name of Inventor: Pedro Cells Residence: Redmond, Washington Post Office Address: 20247 NB 614 Court	1
Full Name of Inventor: <u>Pedro Calis</u> Residence: <u>Redmond, Washington</u> Post Office Address: 20147 NE 614 Court	1
Full Name of Inventor: Pedro Calis Residence: Redmond, Washington Post Office Address: 20347 NE 614 Court	,
Full Name of Inventor: Pedro Calis Residence: Redmond, Washington Post Office Address: 20347 NE 614 Court	
Residence: Redmond, Washington Post Office Address: 20347 NE 61 Court	Citizenship: <u>United States of America</u>
Residence: Redmond, Washington Post Office Address: 20347 NE 61 Court	
Post Office Address: 20347 NS 61× Court	
Regimend, Washington 98053	
	8/19/03
Inventor's Signature	Date
Full Name of Inventor: David G. Campbell	Cluzenship: United States of America
Residence: Sammamich, Washington	
Post Office Address: 22f14 NE 30th Court	
Sammamish, Washington 98074	
C) M () and	8/19/03
Last the gellel	Date
Inventor's 31 grature	
	Citizenship: United States of America
Full Name of Inventor: F. Soner Terek	Chicansulp. Winter Aluta as a second
Residence: Rellevue, Washington	
Post Office Address: 13693 NR 32rd Place	
Bellevus, Wishinston 2000	

DECLARATION AND POWER OF ATTORNEY

	A marien
Full Name of Inventor: J. Patrick Thompson	Citizenship: United States of America
A NTAV	
Post Office Address: 6020 Sycamore Avenue NW	
Seatt;e, Washington 98107	
1 0: - skiigo	Date
Inventor's Signature	
	Citizenship: United States of America
Full Name of Inventor: Pedro Celis	Citizenship: United States de
Kendetite.	
Post Office Address: 20347 NE 61st Court Redmond, Washington 98053	
Redmond, Washington 98033	
Inventor's Signature	Date
michael 2 - G	
	Citizenship: United States of America
Full Name of Inventor: David G. Campbell	
Residence: Sammamish, Washington	
Post Office Address: 22414 NE 30th Court	
Sammamish, Washington 98074	
Others	
	Date
Inventor's Signature	Date
T. C Torok	Citizenship: Turkey
Full Name of Inventor: F. Soner Terek	
Residence: <u>Bellevue, Washington</u>	
Post Office Address: 13695 NE 32nd Place	
Bellevue, Washington 98005	
J = TA - 1	August 20th 2003
Doublesen	Date Date
Inventor's Signature	•